

GRIGORENKO, A.A.; SHEVCHUK, M.I.

Preparation of 1-aryl-5-phenyl-2,4-pentadien-1-ones by the  
Wittig reaction. Zhur. ob. khim. 34 no.7:2254-2257 J1 '64  
(MIRA 17:8)

1. Chernovitskiy gosudarstvennyy universitet.

SHEVCHUK, M.I.; DOMBROVSKIY, A.V.

Ultraviolet spectra of aroylalkylenetriphenylphosphorane. Zhur.  
ob. khim. 34 no.8:2717-2718 Ag '64. (MIRA 17:9)

1. Chernovitskiy gosudarstvennyy universitet.

L 38289-65 EPF(c)/EWP(j)/EWI(m) Pc-4/Pr-4 RM

ACCESSION NR: AP5011026

UR/OC: 19/64/034/011/3741/3743

AUTHOR: Dombrovskiy, V. A.; Shevchuk, M. I.; Dombrovskiy, A. V.

TITLE: p-Terephthaloyl-bis-methylenetriphenylphosphorane on the basis of p-diethylbenzene

SOURCE: Zhurnal obshchey khimii, v. 34, no. 11, 1964, 3741-3743

TOPIC TAGS: benzene, acetic acid, brominated organic compound, bromine, organic phosphorus compound

Abstract: The reaction of p-diacetylbenzene in anhydrous acetic acid with  $\alpha$ - $\alpha$ -dibromo-p-diacetylbenzene, which reacted with

and 4 graphs.

Card 1/2

MISSION NR: AP5011026

LOCATION: Chernovitskiy gosudarstvennyy universitet (Chernovtsy State University)

IDENTIFICATION: 0500163

ENCL: 00

SUB CODE: GC, GC

CLASS: 001

OTHER: 001

JPRS

L 00797-66 ENT(m)/ENP(j) RM/CD-2

SOURCE CODE: UR/0062/65/000/005/0895/0898

ACC NR: AP6012080

AUTHOR: Senyavina, L. B.; Sheynker, Yu. N.; Zheltova, V. N.; Dombrovskiy, A. V.;  
Shevchuk, M. I.; Kabachnik, M. I.; Mastryukova, T. A.; Melent'yeva, T. A.

ORG: Institute of the Chemistry of Natural Compounds, AN SSSR (Institut khimii  
prirodnikh soyedineniy AN SSSR)

TITLE: Infrared spectra of aroilmethylenetriphenylphosphoranes and their salts

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 5, 1965, 895-898

TOPIC TAGS: IR spectrum, organic salt, organic phosphorous compound, electron donor,  
cyclic group

ABSTRACT: The integral intensities of the carbonyl absorption in the infrared spectra of aroilmethylenetriphenylphosphoranes (in which the carbonyl group is bonded to a phenyl ring) and their salts were measured. The data were considered from the standpoint of electron donor and electron acceptor properties of the phosphorus atom and the aromatic rings of the aroilm group, as well as the influence of substituents in the aromatic ring on the absorption intensity. The addition of an aromatic group to the carbonyl in phosphoranes led to a decrease in the frequency and intensity of the valence vibration of the carbonyl group in comparison with the corresponding aliphatic derivatives, evidently as a result of the functioning of the aromatic ring as an electron acceptor, competing with the carbonyl group for electrons from the strong electron-donor phosphorus atom. The frequency and in-

UDC: 543.422

Card 1/2

L 39797-00

ACC NR: AP6012080

0  
tensity of the C=O vibration are also determined by the configuration of the molecule, determined in turn by the size of the substituent at the carbonyl group. In phosphorane salts, the tetravalent positive phosphorus plays the role of an electron acceptor, resulting in a sharp drop in the intensity of the C=O band in comparison with phosphoranes. The absorption bands in the region of  $1317-1390\text{ cm}^{-1}$  for arylmethylenetriphenylphosphoranes and  $1389-1412\text{ cm}^{-1}$  for aroylmethyltriphenylphosphoranes were tentatively assigned to the vibration of the P=C band. Orig. art. has: 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 20Jul64 / ORIG REF: 005 / OTH REF: 004

Card 2/2/MLP

KABACHNIK, M.I.; MASTRYUKOVA, T.A.; MELENT'YEVA, T.A.; DOMBROVSKIY, A.V.;  
SHEVCHUK, M.I.

Conjugation in the systems with a tetrahedral phosphorus atom.  
Part 1: Substituted benzoyltriphenylphosphinomethylenes. Teoret.  
i eksper. khim. 1 no.2:265-269 Mr-Ap '65. (MIRA 18:7)

1. Institut elementoorganicheskikh soyedineniy AN SSSR, Moskva  
i Chlenovitskiy gosudarstvennyy universitet.

GRIGORENKO, A.A.; SHEVCHUK, M.I.; DOMBROVSKIY, A.V.

Bromo derivatives of aroylmethylenetriphenylphosphoranes. Zhur.  
ob. khim. 35 no.7:1227-1231 J1 '65. (MIRA 18:8)

1. Chernovitskiy gosudarstvennyy universitet.



L 25605-66 EWT(m)/EWP(j) RH

ACC NR: AP6016703

SOURCE CODE: UR/0079/65/035/012/2216/2220

AUTHOR: Shevchuk, M. I.; Grigorenko, A. A.; Dombrovskiy, A. V. 27ORG: Chernovitsy State University (Chernovitskiy gosudarstvennyy universitet) 3TITLE: Synthesis of alpha-cyanoaroylmethylenetriphenylphosphoranes 1

SOURCE: Zhurnal obshchey khimii, v. 35, no. 12, 1965, 2216-2220

TOPIC TAGS: organic synthetic process, organic phosphorus compound, organic nitrogen compound

ABSTRACT: Aroylmethylenetriphenylphosphoranes (AMTF) add one mole of bromine to form bromophosphinic salts in practically quantitative yields which are converted into the alpha-bromoaroylmethylenetriphenylphosphoranes by dehydrobromination. In the present work data are presented which were obtained in the study of the not previously described reaction of AMTF with bromocyanogen. It was established that these substances, heated in a benzene solution, react to give alpha-cyanoaroylmethylenetriphenylphosphoranes,  $(C_6H_5)_3P = C(CN)-CO-Ar$ , and the quaternary salts, aroylmethylenetriphenylphosphonium bromides which were obtained and described previously by one of the authors.

The infrared absorption spectra of the alpha-cyanoaroylmethyltri-phenylphosphoranes were determined, and it was shown that this group of phosphoranes has high sensitivity and does not enter the Wittig reaction with aldehydes. Orig. art. has: 1 figure and 1 table. [JPRS]

SUB CODE: 07 / SUBM DATE: 30Dec64 / ORIG REF: 005 / OTH REF: 002  
Card 1/1 / UDC: 547.341 : 547.491

L 31794-66 EWT(m)/EWP(j) RM

ACC NR: AP6021686

SOURCE CODE: UR/0079/66/036/003/0506/0512

AUTHOR: Grigor'enko, A. A.; Shevchuk, M. I.; Dombrovskiy, A. V. 26  
E

ORG: Chornovtsy State University (Chornovitskiy gosudarstvennyy universitet)

TITLE: Reactions of aroylemethylenetriphenylphosphoranes with alkyl iodides

SOURCE: Zhurnal obshchey khimii, v. 36, no. 3, 1966, 506-512

TOPIC TAGS: aromatic phosphorus compound, iodide, alkyl radical, chemical reaction, chemical decomposition

ABSTRACT: The reactions of a series of aroylemethylenetriphenylphosphoranes with alkyl iodides ( $R = C_1-C_6$ ) were studied. It was found that the reaction proceeds differently depending upon the nature of the alkyl iodide radical. Iodides of alpha-methylaroylemethylenetriphenylphosphoranes are formed with methyl iodide, and undergo dehydroiodination to yield a series of alpha-methylaroylemethylenetriphenylphosphoranes. Aroylemethylenetriphenylphosphoranes react with ethyl iodide and n-propyl iodide to form the corresponding alpha-alkoxystyrenetriphenylphosphonium iodides. When aroylemethylenetriphenylphosphoranes are heated with n-hexyl iodide, the latter is dehydroiodinated, resulting in the production of iodides of aroylemethylenetriphenylphosphoranes. Orig. art. has: 3 tables. [JPRS]

SUB CODE: 07 / SUEM DATE: 24Apr65 / ORIG REF: 003 / OTH REF: 002

Card 1/1

UDC: 547.558+547.22

L 06504-67 EWP(j)/EWT(m) RM

ACC NR: AP7000488

SOURCE CODE: UR/0079/66/036/006/1150/1153

AUTHOR: Ganushchak, N. I.; Yukhomenko, M. M.; Stadnichuk, M. D.; Shevchuk, M. I.

ORG: Chernovitskiy State University (Chernovitskiy gosudarstvennyy universitet);  
Leningrad Technological Institute im. Lensovet (Leningradskiy tekhnologicheskii  
institut)

TITLE: Synthesis of certain phosphonium salts and 1,5-diphenylpentadienes-1,3 on  
the basis of chloroarylbutenes 31 B

SOURCE: Zhurnal obshchey khimii, v. 36, no. 6, 1966, 1150-1153

TOPIC TAGS: organic phosphorus compound, organic salt, organic synthetic process

ABSTRACT: The reaction of a number of chloroarylbutenes with triphenylphos-  
phine yielded new triphenyl-(1-arylalkenyl-2)-phosphonium chlorides

$[ArCH_2C(R)+C(R')CH_2P(C_6H_5)_3]Cl^-$ . The phosphonium salts were converted to the

corresponding 1,5-diphenylpentadienes-1,3 by reaction with sodium ethylate and  
benzaldehyde. The infrared and nuclear magnetic resonance spectra of the pro-  
ducts were studied. The diphenylpentadienes are oily, yellowish liquids,  
which are readily soluble in the usual organic solvents, decolorize bromine  
water and permanganate solution. They do not take part in diene synthesis re-  
actions, even with such dienophiles as maleic anhydride with heating.

Orig. art. has: 2 figures and 1 table. [JPRS: 37,023]

SUB CODE: 07 / SUBM DATE: 03Jun65 / ORIG REF: 010

Card 1/1 m 2E

UDC: 547.341

0923 1203

1 06511-97 EWP(m)/EWP(j) RM  
ACC NR: AP7000481

SOURCE CODE: UR/0079/66/036/006/1121/1124

GRIGORENKO, A. A., SHEVCHUK, M. I., DOMEROVSKIY, A. V., Chernovitskii State University (Chernovitskiy gosudarstvennyy universitet)

"Aroyliodomethyltriphenylphosphonium Bromides, Aroyliodomethylene- and Aroylthiocyanatomethylenetriphenylphosphoranes"

Moscow, Zhurnal Obshchey Khimii, Vol 36, No 6, 1966, pp. 1121-1124

Abstract: Aroylmethylenetriphenylphosphoranes were found to react exothermally with iodine bromide in chloroform, giving quantitative yields of colored, water-insoluble, crystalline aroyliodomethyltriphenylphosphonium bromides. The latter, when dehydrobrominated with an aqueous soda solution, are converted to aroyliodomethylenetriphenylphosphoranes. In the latter derivatives, the iodine has a tendency for nucleophilic substitution reactions; the reaction with potassium thiocyanate proceeds especially smoothly, leading to the formation of new aroylthiocyanatomethylenetriphenylphosphoranes in good yields. The ultraviolet absorption spectra of the new derivatives were studied. Orig. art. has: 1 table. [JPRS: 37,023]

TOPIC TAGS: organic phosphorus compound, brominated organic compound

SUB CODE: 07 / SUBM DATE: 07Jun65 / ORIG REF: 005

Card 1/1

UDC: 547.558.1

0903

1195

L 11398-67 EWT(m)/EWP(j) RM  
ACC NR: AP7003654

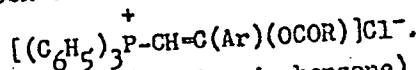
SOURCE CODE: UR/0079/66/036/008/1421/1424

AUTHOR: Dombrovskiy, A. V.; Litstvan, V. N.; Grigorenko, A. A. Shovchuk, M. I.  
ORG: Chernovitskiy State University (Chernovitskiy gosudarstvennyy universitet)

TITLE: Reactions of aroylmethylenetriphenylphosphoranes with acid chlorides  
SOURCE: Zhurnal obshchey khimii, v. 36, no. 8, 1966, 1421-1424

TOPIC TAGS: organic phosphorus compound, nitrobenzene, nonmetallic organic derivative

ABSTRACT: The reactions of a number of aroylmethylenetriphenylphosphoranes, with the general formula  $(C_6H_5)_3P=CHCOAr$ , with acetyl, benzoyl, and p-nitrobenzoyl chlorides were studied. When benzene solutions of benzoyl-, p-toluy-, p-chlorobenzoyl-, and p-bromobenzoylmethylenetriphenylphosphoranes were mixed with equivalent amounts of acetyl chloride or heated with benzoyl chloride in carbon tetrachloride, crystalline salts were formed, with the general formula



In the reaction with p-nitrobenzoyl chloride (heating in benzene), a transylidation reaction occurred in which 2 moles of the aroylmethylenetriphenylphosphorane reacted with 1 mole of p-nitrobenzoyl chloride, giving crystalline C-acylation products: p-nitrobenzoylaroylmethylenetriphenylphosphoranes with the general formula  $(C_6H_5)_3P=C(COC_6H_4NO_2-p)COAr$ , and aroylmethyltriphenylphosphonium chlorides in good yields. The formation of C-derivatives with p-nitrobenzoyl chloride, in contrast to the O-derivatives with the other chlorides tested, is explained by a substantially greater positive charge on the carbonyl carbon atom of

UDC: 546.18 + 547.297

Card 1/2

L 11398-67

ACC NR: AP7003654

p-nitrobenzoyl chloride than in the other acid chlorides, resulting in electrophilic attack on the ylide carbon atoms of the aroylmethylenetriphenylphosphorane leading to the formation of a carbon-carbon bond without transfer of the reaction center. Orig. art. has: 2 tables. [JPRS: 38,970]

SUB CODE: 07 / SUBM DATE: 25Jun65 / OTH REF: 004

Card 2/2 jb

SHEVCHUK, M. K.

N/5  
238.21  
.S5

Kak preodolevat' inzhenernyye zagrazhdeniya (How to overcome (artificial) engineering obstacles, by) Shevchuk, M. K. i Katurkin, Ye. A. Moskva, Voennoye lzd-vo Ministerstva Oborony SSSR, 1954.  
79 p. diagrs.

VARENYSHV, Boris Vasil'yevich, podpolkovnik; STASYUK, N.A., redaktor;  
SHEVCHUK, M.K., redaktor; SOROKIN, V.V., tekhnicheskiiy redaktor

[Demolition manual for soldiers] Soldatu o podryvnom dele.  
Moskva, Voen. izd-vo M-va obor. SSSR, 1956. 110 p. (MLRA 10:4)  
(Demolition, Military)



SHEVCHUK, M.K., gvardii podpolkovnik; CHUGASOV, A.A., podpolkovnik,  
red.; SOKOLOVA, G.F., tekhn. red.

[Incendiary agents and defense against them] Zazhigatel'nye sred-  
stva i zashchita ot nikh. Moskva, Voen.izd-vo M-va obor.SSSR,  
1961. 118 p. (MIRA 15:1)

(Incendiary bombs) (Flame throwers)

(Atomic weapons--Safety measures)

OVCHINNIKOV, K.M.; MOROZOVSKAYA, M.I.; TISHCHENKO, O.D.; DEMCHENKO, I.A., direktor;  
NADTOCHIY, S.S.; GORELYSHEVA, I.I.; BEL'SKAYA, M.K.; KONTOROVSKAYA, T.M.;  
BELYI, Ya.M., zaveduyushchiy; DERIVENKO, V.I.; SHEVCHUK, M.K., zaveduyushchiy;  
D'YACHENKO, V.I.; SAKOVICH, V.K.; AGAFONOV, I.N., zaveduyushchiy; BESFAMIL'-  
NAYA, P.S.

Prognosis of malarial incidence of a locality and organization of antimalarial measures in the zone of the future Kakhovka reservoir. Med.paraz. i parazitolog. no.2:109-116 Mr-Ap '53. (MLRA 6:6)

1. Ukrainskiy institut malyarii i meditsinskoy parazitologii imeni profesora Rubashkina (for Demchenko).
2. Zaporozhskaya oblastnaya protivomalyariynaya stantsiya (for Belyi).
3. Dnepropetrovskaya oblastnaya protivomalyariynaya stantsiya (for Shevchuk).
4. Khersonskaya oblastnaya protivomalyariynaya stantsiya (for Agafonov).

(Kakhovka reservoir region--Malarial fever)

(Malarial fever--Kakhovka reservoir region)

VISHNEVSKAYA, S.M.; UDOVICHENKO, G.S.; BIRYUKOVA, K.V.; GERGIL'SKIY, V.L.;  
MUKVOZ, L.G.; RUBNITSKAYA, N.E.; KORNIYENKO, Ye.I.; GUREVICH, Ye.N.;  
PISARENKO, Ye.I.; GELLER, I.Yu.; LOI, T.D.; SHEVCHUK, M.K.;  
KHALIBOVA, Ye.K.

Epidemiology and prevention of helminth infections in the region of  
construction of the Kakhovka hydroelectric project and the South  
Ukrainian Canal. Med. paraz. i paraz. bol. no.3:244-248 J1-S '54.

(MLRA 8:2)

1. Iz gel'mintologicheskogo otdela Ukrainskogo nauchno-issledovatel'-  
skogo instituta malyarii i meditsinskoy parazitologii imeni prof.  
Rubashkina (dir. instituta I.A.Demchenko, zav. otdelom prof. Ye.S.  
Shul'man), iz epidemiologicheskogo otdela Kiyevskogo instituta  
epidemiologii i mikrobiologii (dir. instituta S.N.Terekhov, zav.  
otdelom otsent Yu.Ye.Birkovskiy), iz kafedry biologii i parazitologii  
Dnepropetrovskogo meditsinskogo instituta (zav. kafedroy dotsent V.L.  
Gerbil'skiy), iz Zaporozhskoy oblastnoy protivomalyariynoy stantsii  
(zav. stantsiyey I.P.Agafonov), iz Dnepropetrovskoy oblastnoy protivomalyariynoy stantsii (zav. stantsiyey M.K.Shevchuk, iz Nikolayevskoy  
oblastnoy protivomalyariynoy stantsii (zav. stantsiyey S.I.Ganyuni).

(HELMINTH INFECTIONS, prevention and control,  
Russia, on construction of waterways)

MOROZOVSKAYA, M.I.; DEMCHENKO, I.A.; TISHCHENKO, O.D.; GORELYSHEVA, I.I.;  
YEVLAKHOVA, V.F.; NADTOCHKIY, S.S.; GAL'PERIN, L.Yu; BELYI, Ya.M.;  
LAZEBNYY, N.V.; DREVENKO, V.I.; SERVINENKO, G.A.; SHEVCHUK, M.K.;  
D'YACHENKO, V.I.; AGAFONOV, N.I.; BESFAMIL'NAYA, P.S., CHERNENKO, Yu.L.

Preventive antimalaria measures for lumberjacks employed in clearing  
the bed of the future Kakhovka Reservoir. Med.paraz. i paraz.bol.24  
no.3:207-208 J1-5 '55. (MLRA 8:12)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta malyarii i  
meditsinskoy parazitologii imeni prof. V. Ya. Rubashkina (dir.  
instituta I.S.Demchenko) i Zaporozhskoy, Dnepropetrovskoy i  
Khersonskoy oblastnykh protivomalyariynykh stantsiy.  
(MALARIA, prevention and control,  
in Russia, in forest workers)

VISHNEVAKAYA, S.M.; SHEVCHUK, M.K.; KRAMARENKO, D.P.; KHVALIBOVA, E.I.;  
MUKVOZ, L.G.; GUREVICH, Ye.P.; KORNIYENKO, Ye.I.; POTEYEVA, N.A.;  
PISARENKO, Ye.I.; LOY, D.D.; KORABLEV, N.G.; GELLER, I.Yu.

Epidemiology and prevention of helminth infections in the zone  
affected by the construction of Kakhovska reservoir and hydro-  
electric station and the Upper-Ingulets Canal. Med.paraz. i paraz.  
bol. 25 no.2:121-127 Ap-Je '56. (MLRA 9:8)

1. Iz gel'mintologicheskogo otdeleniya Instituta malyarii i meditsin-  
skoy parazitologii imeni prof. V.Ya.Rubashkina Ministerstva zdrazo-  
okhraneniya Ukrainskoy SSR (dir. instituta I.A.Demchenko, zav.  
otdeleniyem - prof. Ye.S.Shul'man) i Dnepropetrovskoy Zaporozhskoy,  
Khersonskoy, Nikolayevskoy oblastnykh sanitarno-epidemiologicheskikh  
stantsiy.

(HELMINTH INFECTIONS, prev. and control  
in Russia, eff. of reservoir & canal constructions)

SHEVCHUK, M. K., EVALIBOVA, E. I., MUKVOZ, L. G., KORNEYENKO, E. I.,  
BEZFAMILNAYA, P. S., LOY, T. D., KORABLEV, N. G., GELLER, I. YU. and  
VISHNEVSKAYA, S. M.

"The Epidemiology and Prophylaxis of Helminthiasis in the Zone Af-  
fecting the Construction of the Kakhovka Hydroelectric Power Station,  
the Water Reservoir, and the Verkhne-Ingulets Canal."

Tenth Conference on Parasitological Problems and Diseases with Natural  
Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of  
Sciences, USSR, Moscow-Leningrad, 1959.

BORISOV, D.S., polkovnik; SHEVCHUK, M.K., podpolkovnik; LEOSHENYA, Ye.V., dotsent, kand.voyennykh nauk, general-leytenant inzhenernykh voysk, nauchnyy red.; POLIKARPOV, V.D., red.; SOKOLOVA, G.F., tekhn.red.

[Soldier, hero, and scientist; reminiscences about D.M.Korbyshchev]  
Soldat, geroi, uchenyi; vospominaniya o D.M.Karbysheve. Moskva, Voen.izd-vo M-va oborony SSSR, 1961. 194 p.

(MIRA 15:2)

(Karbyshchev, Dmitrii Mikhailovich, 1880-1945)

SHEVCHUK, Mikhail Konstantinovich, gvardii podpolkovnik; KATURKIN,  
Yevgeniy Afanas'yevich, kand. tekhn. nauk, inzh.-podpolkovnik;  
IVOLGIN, A.I., polkovnik, red.; SOKOLOVA, G.F., tekhn. red.

[How to overcome obstacles erected by the engineers] Kak preodo-  
levat' inzhenernye zagrzhdenia. Moskva, Voen.izd-vo M-va obor.  
SSSR, 1961 182 p. (MIRA 15:2)  
(Mines, Military) (Obstacles (Military science))



BORISOV, D.S.; SHEVCHUK, M.K.

"Soldier, hero, scientist; reminiscences about D.M.Karbyshv."   
Compiled by D.S.Borisov, M.K.Shevchuk. Voen. vest. 41 no.3:   
126-127 Mr '62. (MIRA 15:4)   
(Karbyshv, Dmitrii Mikhailovich, 1880-1945)

KARBYSHEV, D.M., Geroy Sovetskogo Soyuza, prof., doktor veennykh nauk, general-leytenant inzh. voysk[deceased]; GOLDOVICH, A.I., general-leytenant inzh., voysk v otstavke, red.; PLYASKIN, V.Ya., V.Ya., general-leytenant inzh. voysk, red.; LEOSHENYA, Ye.V., general-leytenant inzh. voysk v otstavke, red.; SOCHILOV, M.F., general-mayor inzh. voysk v otstavke, red.; AFANAS'YEV, D.M., polkovnik v otstavke, red.; BORISOV, D.S., polkovnik zapasa, red.; TDROPOV, K.V., inzh.-polkovnik v otstavke, red.; SHOR, D.I., inzh.-polkovnik v otstavke, red.; SHEVCHUK, M.K., podpolkovnik zapasa, red.; ROSSAL, N.A., polkovnik, red.; SOKOLOVA, G.F., tekhn. red.

[Selected scientific work] Izbrannye nauchnye trudy. Moskva, Voenizdat, 1962. 703 p. (MIRA 16:3)  
(Military engineering)

Shevchuk, M. S.

Purification of reagent-grade sulfuric acid from nitrogen oxides. E. Ya. Paryls and M. S. Shevchuk (State Chem. Plant, Krasnoural'sk). *Khim. Prom.* 1954, 144. — Hydrazine sulfate was found to be a suitable reducing agent for the purification of  $H_2SO_4$ , and is used in proportion of 4 g. of the solid salt per ton of acid. The reaction is usually complete in 2 hrs. W. M. Sternberg

SHEVCHUK, M. S.

FD 202

USSR/Chemistry - Sulfuric Acid

Card 1/1

Authors : Parylis, E. Ya., Shevchuk, M. S.

Title : Purification of reagent sulfuric acid from oxides of nitrogen

Periodical : Khim. prom. 4, 52 (244), June 1954

Abstract : Describe a procedure whereby sulfuric acid to be used as a reagent is freed of nitrogen oxides by introducing hydrazine sulfate into the absorber equipment during the production of the acid. Three USSR references, two since 1940.

Institution : Krasnoural'sk State Chemical Plant

ZHIVAYKIN, L.Ya.; FEDIN, V.N.; SHEVCHUK, M.S.; BLYAKHER, I.G.

Effect of the concentration of monohydrate on the degree of absorption of sulfur trioxide. Khim.prom. no.7:505-506 J1 '63.  
(MIRA 16:11)

1. Ural'skiy nauchno-issledovatel'skiy khimicheskiy institut i Krasnoural'skiy medeplavil'nyy kombinat.

SHEVCHUK, N.F.

Diagram of the control panel for the electric motor of the PH-1200  
centrifugal. Sakh. prom. 33 no.1:37-39 Ja '59. (MIRA 12:1)

1. Gindoshtskiy sakharnyy zavod.  
(Sugar machinery) (Electric driving)

SHEVCHUK, O.A.

Intracranial aneurysm in 12-year-old girl. Sov.med. 22 no.9:135-136  
S'58 (MIRA 11:11)

1. Iz terapevticheskogo otdeleniya (zav. K.D. Mayzel') Bibrskoy  
rayonnoy bol'nitsy L'vovskoy oblasti (glavnyy vrach S.G. Pirog)  
(CEREBRAL ANEURYSMS, in inf. & child  
in 12 year old girl (Rus))

DETSIK, Yu.I., dotsent; SHEVCHUK, O.A.

Origin of aplastic anemia in strongyloidiasis. Vrach.delo  
no.1:118-119 Ja '63. (MIRA 16:2)

1. Kafedra propedevticheskoy terapii (zav. - dotsent V.I. Chernov)  
lechebnogo fakul'teta L'vovskogo meditsinskogo instituta.  
(STRONGYLOIDIASIS) (ANEMIA)



SHEVCHUK, P.M.

Establishing horizontal photo-control for surveys at a scale of  
1: 2,000, Geod.i kart. no.6:36-39 Je '61. (MIRA 14:6)  
(Aerial photogrammetry)

SHEVCHUK, P.M.

Rods for KB-1 and KA-2 automatic alidades. Geod. i kart.  
no.9:57-58 S '61. (MIRA 14:9)  
(Surveying--Instruments)

SHEVCHUK, P.M.

Precision of stereotopographic mapping on the scale 1:2,000.  
Geod. i kart. no.10:48-50 0 '63. (MIRA 16:12)

SHEVCHUK, P.R.

Thermal stresses in an infinite space with a foreign spherical inclusion in case of a uniform thermal flux at infinity. Vop. mekh. real. tver. tela no.3:38-41 '64.

(MIRA 17:11)

SHEVCHUK, P.S.

Republic-wide conference of the workers of the furniture industry  
in the Ukraine. Bum. i der. prom. no.1:50-51 Ja-Mr '65.

(MIRA 18:10)

SHUL'TE, Yu.A.; GLADKIY, S.I.; BARYSHEVSKIY, L.M.; BERKUN, M.N.;  
LUNEV, V.V.; SAPELKIN, A.I.; VOLCHOK, I.P.; SHEVCHUK, P.T.;  
KURBATOV, M.I.

Heat treatment of medium-carbon steel castings. Lit. proizv.  
no.4:9-10 Ap '64. (MIRA 18:7)

FIL', Ye.V., inzh.; TSELUYKO, N.I., inzh.; SHEVCHUK, P.T., inzh.

Using cast iron chip in the cupola melting of iron. Lit. proizv.  
no.1:43 Ja '66. (MIRA 19:1)

VOLYNSKIY, F.A.; POPOVKIN, Ye.M.; MAKARENKO, I.V.; PAVLOVA, A.I.; SHEVCHUK,  
P.Ye.; KATKHE, V.L.

Profound study of afferent (spinal) innervation of the internal  
organs. Arkh. anat., gist. i embr. 47 no.12:64-76 D '64.  
(MIRA 18:4)

1. Kafedra normal'noy anatomii (zav. - zasluzhennyy deyatel'  
nauki prof. F.A.Volynskiy) Odesskogo gosudarstvennogo meditsinskogo  
instituta imeni Pirogova.



SHEVCHUK, R.M.

Elektromagnitnyi stabilizator napriazheniia. (Elektrosviaz', 1941, no. 3, p. 7-14, diags., bibliography)

Title tr.: An electro-magnetic voltage stabilizer.

TK4.E744 1941

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

RAMLAU, Pavel Nikolayevich; USTINSKIY, A.A., kand.tekhn.nauk, retsenzent;  
~~SHEVCHUK, R.M.~~ kand.fiziko-matemat.nauk, retsenzent; STROGANOV, L.P.,  
inzhener, redaktor; BOBROVA, Ye.N., tekhn.red.

[Electronic engineering] Radiotekhnika. Izd. 3-e, perer. Moskva,  
Gos. transp. zhel-dor. izd-vo, 1957. 302 p. (MIRA 10:12)  
(Electronics) (Railroads--Electronic equipment)

SHEVCHUK, R.M., kand. fiz.-matem.nauk

Method for measuring and evaluating random interference. Trudy  
OMIT 42:3-10 '63.

Analysis of the hookup of station transmitters with phase wires.  
Ibid.:61-76 (MIRA 18:10)

SEREGIN, A.A.; KOSTIKOV, V.U.; PONOMAREV, A.A.; SHEVCHUK, R.M.

Professor Pavel Andreevich Azbukin; on his 75th birthday and  
50th anniversary of scientific and pedagogical work. Avtom.elen.  
i sviaz' no.7:40-41 J1 '57. (MLRA 10:8)

1. Nachal'nik Tonskego elektromekhanicheskogo instituta inzhenerov  
zheleznodorozhnogo transporta (for Seregin) 2. Sotrudniki Tonskego  
elektromekhanicheskogo instituta inzhenerov zheleznodorozhnogo  
transporta (for Kostinov, Ponomarev, Shevchuk)  
(Azbukin, Pavel Andreevich, 1882)

S/194/61/000/009/045/053  
D271/D302

9.19/3

AUTHOR: Shevchuk, R.M.

TITLE: Method for approximate calculation of the optimum aperture angle of a parabolical antenna excited by a half-wave resonator with a counter-reflector

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 9, 1961, 48, abstract 9 I271 (Sb. nauchn. tr. Tomskiy elektromekhan. in-t inzh. zh.-d. transp., 1960, 30, 25-31)

TEXT: A method is presented for calculating the directive gain of a parabolic antenna in terms of the optimum flare angle and of the efficiency coefficient of the aperture area. Directive gain is defined as a geometric mean of gains in E- and H-planes, and directional properties are calculated by using formulae for an axially symmetrical radiator. 7 references. [Abstracter's note: Complete translation]

VB

Card 1/1

SHEVCHUK, R.M., kand.fiziko-matematicheskikh nauk (Tomsk)

The kind of curricula we need for the training of electric  
engineers. Zhel.dor.transp. 43 no.5:47-49 My '61. (MIRA 14:4)  
(Electric engineering—Study and teaching)

SHEVCHUK, R.M., kand.fiz.-matem.nauk; NIKITIN, V.I., inzh.

Device for determining the location of the source of radio interference.  
Avtom., telem. i svyaz' 6 no.10:36-38 0 '62. (MIRA 16:5)  
(Radio—Interference) (Radio direction finders)

SHVCHUK, B.M., kand. tekhn. nauk; MIRIN, V.I., inzh.

Cophasal four-dipole antenna for the Zhr-5 transmitter-receiver.  
Avtom., telov. i svyaz' 3 no.8:9-12 Ag '64. (MIRA 17:10)



1 40701-00 ENT 11,7 RR

ACC NR: AR6004331

SOURCE CODE: UR/0274/65/000/009/A040/A040

AUTHOR: Shevchuk, R. M.

REF SOURCE: Nauchn. tr. Omskiy in-t inzh. zh.-d. transp., v. 45, 1964, 3-17

TITLE: Directional antenna for train radio communication at medium wavelengths

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 9A291

TOPIC TAGS: antenna, radio communication system

TRANSLATION: In localities with high ground conductivity, it is possible to create a train radio communications channel by using radio stations of the ZhR-3 type, operating with a directional antenna 50-100 m distance from the transmitter. The directional antenna installed in intermediate stations must have a bi-directional pattern along the track adjoining the station. A directional antenna with an exposure angle of about 80° was developed. The construction of such an antenna was found to be relatively simple and fully usable in terms of linear distances. Tests on a one-fifth size scale model and study of the cloverleaf vibratory directional antenna confirmed its suitability for train radio communication. Additional investigations in 1963 showed this antenna to be highly efficient even with simple ground systems and that its principle characteristics are close to the theoretical values.

SUB CODE: 07,09/ SUBM DATE: none

Card 1/1/14

UDC: 621.396.676:621.396.943

L 08446-67 EWT(d)/FSS-2

ACC NR: AR6019074

SOURCE CODE: UR/0274/66/000/001/A084/A084

AUTHOR: Shevchuk, R. M.; Nikitin, V. I.

TITLE: The use of the radio-station type ZhP-5 for the measurement of signal and noise voltages

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 1A595

REF SOURCE: Nauchn. tr. Omskiy in-t inzh. zh.-d. transp., v. 52, 1965, 37-48

TOPIC TAGS: radio communication, radio equipment, radio noise, radio transmission, radio receiver, measurement, electronic measurement, interference measurement, electric measuring instrument

TRANSLATION: Since the utilization of measuring instruments for the determination of signal and noise voltages in the UHF range is difficult in certain cases, the receiving end of the radio-station ZhP-5 can be used to good advantage. An HF system which is linear over a certain voltage range is used. For the readout, the high impedance AV0-5 voltmeter may be used. Using this method in the absence of interference, it was possible to measure receiver input voltage down to 0.2 microvolts. To make it suitable for measurement purposes, the receiver is first calibrated by means of a signal generator. To measure noise it is necessary to construct a curve of the noise limiter operation with respect to the state of the limiter's controls and the receiver sensitivity.

UDC: 621.317.743

Card 1/2

L 00440-0/

ACC NR: AR6019074

The results of signal and noise voltage measurements at the input of a locomotive radio-station are given for a railroad section of 200 km. The results of the measurements were compared to the field strength values measured with the IP-14 noise meter. E. Ch.

SUB CODE: 17,09

Card 2/2 *e7 1/2*

BURTSEV, A.D.; SAGUSNYY, V.V.; LUPANOV, B.P.; BOGACHEV, A.F.; SMIRNOV, G.P.;  
ANDRONOVA, Ye.I.; GIZMAYYER, V.K.; PINES, A.V.; SHEVCHUK, R.S.;  
NOSOV, Ye.S.; DOROSHENKO, S.P.; KUGEL', D.B.; ZOLOTNIKOV, N.M.;  
SHPILENKO, A.M.; VASILYUK, A.P.; SVIRIDOV, I.A.

Using exothermic mixtures for heating the heads of steel castings.  
Prom.energ. 15 no.6:14 Je '60. (MIRA 13:7)  
(Founding)

VASHCHENKO, K.I.; AVRINSKIY, P.V.; FIRSTOV, A.N.; NESELOVSKIY, V.L.;  
Prinimali uchastiye: VARENIK, P. A.; YAKOVENKO, G.F.; SHEVCHUK, R.S.;  
NOSOVA, Ye. M.; KUGEL', A.V.; SHTYKA, G.N.; MONDZELEVSKIY, S.P.

Vats for the fusion of caustic soda. Lit. proizv.m.6:4-6 Je '61.  
(MIRA 14:6)

(Iron founding)

(Chemical engineering—Equipment and supplies)

12-15-64 GWT(m)/ZWA(d)/SWP(t)/GWT(b) Pa-4 AFMDC/ASD(m)-3/ASD(f)-2 JD/

ACCESSION NR: AP4047691

S/0304/64/000/005/0034/0035

AUTHORS: Shevchuk, R. S. (Engineer); Vecherya, B. G. (Engineer)

TITLE: New stainless steels

SOURCE: Mashinostroyeniye, no. 5, 1964, 34-35

TECH TAGS: stainless steel, alloy steel, nickel steel/ 1Kh18N4G4L steel, 2Kh18N4G4L steel, 1Kh18N3TL steel, DSN 0.5 arc furnace

ABSTRACT: Two new types of stainless steel, 1Kh18N4G4L and 2Kh18N4G4L, have been alloyed at the Kiev steel mill "Bolshevik." Although these steels do not have the same properties as the widely used austenitic chrome-nickel stainless steel 1Kh18N3TL, they have been used where good machinability and corrosion resistance are required for rubber, plastics and food handling machinery. The partial

L 12435-65

ACCESSION NR: AP4047691

1Kh18N4G4L -  $\sigma_s = 25$ ,  $\sigma_B = 45$ ,  $\delta = 25\%$ ; 2Kh18N4G4L -  $\sigma_s = 30$ ,  $\sigma_B = 70$ ,  $\delta = 25\%$   
as compared with the properties of 1Kh18N9TL which are  $\sigma_s = 20$ ,  $\sigma_B = 55$  and  
 $\delta = 18\%$ . Orig. art. has: 2 tables.

ASSOCIATION: Kievskiy zavod "Bol'shevik" (Kiev Steel Mill "Bolshevik")

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

Card 2/2

VASIL'YEV, A.; ZAPASHNOY, A.; IL' INSKIY, Ye.; PAKUSHIN, V.; SHEVCHUK, S.

Business accounting for highway-operation sections. Avt.dor.17  
no.1:6 J1-Ag'54. (MLRA 8:10)

(Roads--Estimates and costs)



KOTSYUBINSKIY, O.Yu.; SHEVCHUK, S.A.; GINI, E.Ch.

Causes for the decrease in the mechanical properties of cast iron  
at 150° -250°. Lit. proizv. no.8:35-36 Ag '64. (MIRA 18:10)

KOTSYUBINSKIY, O.Yu.; SYSOYEV, S.I.; SEMENOV, V.N.; SHEVCHUK, S.A.

Plastic properties of cast iron. Lit. proizv. no.6:27-29 Je '62.  
(MIRA 15:6)

(Cast iron--Testing) (Plasticity)

KOISYUBINSKIY, O.Yu.; GERCHIKOV, A.M.; OBERMAN, Ya.I.; SHEVCHUK, S.A.;  
GINI, E.Ch.

Warping of cast-iron base parts of precision machine tools and  
methods for preventing this warping. Stan.i instr. 33 no.9:1-5  
S '62. (MIRA 15:9)

(Machine tools—Maintenance and repair)

SHEVCHUK, S. N.

40718

USSR/Electricity  
Motors, Electric  
Relays, Electric

May 1947

"Selection of a Thermal Protection for Electric En-  
gines," S. N. Shevchuk, Izv., Gor'kiy, 3 pp

"Elektrichestvo" No 5

Discusses the possibilities of heating and overloading  
of electric engines, and describes some of the results  
of studies of thermal relays. States that before se-  
lecting a thermal relay it is necessary to determine  
regulatory characteristics, and to construct the relay  
on the basis of computed requirements. Also recommends  
that all plants manufacturing such devices, publish in

ID

40718

USSR/Electricity (Contd)

May 1947

their catalogues the average time for heating of coils,  
the nominal and critical point for temperature of  
electric engine coils, and operating elements of the  
thermal relays.

ID

40718

SHEVCHUK, S. N.

SHEVCHUK, S. N. Overload Protection of Electric Motors (Zashchita Elektrodvigatelye  
ot Peregruzki), pp. 24-26

A general review of standard overload protection is given.

SO: PROMYSHLENNAYA ENERGETIKA, No. 11, Nov. 1952, Moscow (1613006)

SHEVCHUK, S.N., kandidat tekhnicheskikh nauk, dotsent.

Universal scheme for electric arc furnaces using three-phase current.

Trudy GPI 12 no.1:27-34 '56.

(MLRA 10:5)

(Electric furnaces)

SHEVCHUK, S. H.

"Problems of Insulation Against Loss of Heat in Electromotors of Metal-Working Machines." Official opponents: D. M. Morozov, Professor, Doctor of Technical Sciences, N. V. Shchedrin, Docent, Candidate of Technical Sciences and M. P. Shvakov, Engineer.

Dissertation for the Degree of Candidate of Technical Sciences, *Defended at Sverdlovsk Polytechnic*  
Institute imeni Kirov, ~~1949-1954~~, (Elektrichestvo, 1958, Nr 6, pp. 91-92)(USSR)  
*Zhdanov, 14 June 1949*

ВАСИЛЬЕВ, С.В.

VASIL'YEV, Nikolay Nikolayevich; DROBYAZKO, Severin Fedorovich;  
SHEVCHUK, S.N., dotsent, retsenzent; SHAPOVALENKO, A.G.,  
inzh., red.;

[Practical designs of electric drives for machinery]  
Prakticheskie raschety elektroprivodov proizvodstvennykh  
mekhanizmov. Kiev, Gos.nauchno-tekh.izd-vo mashinostroit.  
lit-ry, 1959. 150 p. (MIRA 13:1)  
(Machine tools--Electric driving)



S/196/61/000/010/023/037  
E194/E155

AUTHORS: Shevchuk, S.N., and Laptev, A.N.  
TITLE: An engineering method of calculating transient processes in a generator-motor system  
PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.10, 1961, 9, abstract 10K 65. (Tr. Gor'kovsk. politekhn. in-ta, v.16, no.5, 1960, 23-33)  
TEXT: The article describes a semi-graphical method of finite increments for calculating transient processes in a d.c. generator-motor system with allowance for saturation of the magnetic circuits of the machines. Relationships are determined in the general form for increments of speed and current for a given increment of time for the following conditions:  
1) motor starting from rest with rated magnetic flux and variable generator e.m.f; 2) acceleration of motor from steady-state conditions by field weakening, with constant generator e.m.f;  
3) instantaneous change of load; 4) regenerative braking of motor with drive on no-load; 5) reversing of drive by altering voltage polarity on generator field terminals.  
Card 1/2

✓

SHEVCHUK, S.N., kand.tekhn.nauk

Heating of a short-circuited asynchronous mot. with loads deviating  
from nominal ones. Trudy GPI 19 no.3:5-14 '73. (MIRA 17:10)

ACC NR: AF7002939

SOURCE CODE: UR/0020/66/171/006/1443/1446

AUTHOR: Shlyk, A. A.; Savchenko, G. Ye.; Stanishevskaya, Ye. M.; Shevchuk, S. N.;  
Gaponenko, V. I.; Gatikh, O. A.

ORG: Laboratory of Biophysics and Isotopes Academy of Sciences BSSR (Laboratoriya  
biofiziki i izotopov Akademii nauk BSSR)

TITLE: Role of phytochrome in the chlorophyll metabolism of green plants

SOURCE: AN SSSR. Doklady, v. 171, no. 6, 1966, 1443-1446

TOPIC TAGS: chloroplast, chlorophyll synthesis, light biologic effect, tracer study

ABSTRACT: Effect of phytochrome on chlorophylls a and b and on protochlorophyll was investigated in etiolated rye seedlings and rye green leaves under different lighting conditions. Groups of rye green leaves were exposed for 15 min to infrared light ( $1.4 \text{ mw/cm}^2$ ), far infrared light ( $1.0 \text{ mw/cm}^2$ ), infra red and far infrared light combined, and white light. Following exposure the seeds were kept in the dark for 3 hrs before determining chlorophyll levels and for 15 hrs before determining protochlorophyll levels. In the second experimental series groups of 9 to 10 day old seedlings placed on damp filter paper between glass slides were exposed for a 10 to 15 min period to infrared light ( $658 \text{ m}\mu$  or  $645 \text{ m}\mu$ ) and to far infrared light ( $737 \text{ m}\mu$ ) at an intensity of  $1.0$  to  $6.5 \text{ mw/cm}^2$  and a ratio of 1 or 1.5 between the duration of the

UDC: 581.132

Card 1/2

15(1); 14(10)

PHASE I BOOK EXPLOITATION

SOV/1281

Akademiya nauk Kazakhskoy SSR. Sektor matematiki i mekhaniki

Trudy, t. 1 (Transactions of the Mathematics and Mechanics Section, Kazakh S.S.R. Academy of Sciences, v. 1) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1958. 207 p. 2,500 copies printed.

Eds.: Vaslavskiy, N.A. and Shevchuk, T.I.; Tech. Ed.: Rorokina, Z.P.; Editorial Board: Akushskiy, I.Ya., Archashnikov, V.P., Zhautykov, O.A. (Resp. Ed.), Zhilenko, L.G. (Resp. Secretary), Molyukov, I.D., Strel'tsov, V.V.

PURPOSE: This book is intended for scientists, and students taking senior physics and mathematics courses at vuzes.

COVERAGE: The book contains contributions by scientists in Kazakhstan in the fields differential equations, theory of elasticity, algebra, nomography, calculation by machine, theory of plasticity, mechanics of a medium of variable mass, etc. It is dedicated to the 10th anniversary of the organization of the Sektor matematiki i mekhaniki Akademii nauk Kazakhskoy SSR (Mathematics and Mechanics Section, Academy of Sciences, Kazakh SSR.)

Card 1/4

Transactions of the Mathematics (Cont.)	SOV/1281	
Strel'tsov, V.V. Evaluating the Length of a Curve on a Surface of Given Diameter		71
Akushskiy, I.Ya. On Solvability by a Nonhomogeneous Operation Cycle		111
Akushskiy, I.Ya. On the Solvability of a Computing Problem for a Triangular Matrix		126
Archashnikov, V.P. Calculating Stresses in Intercameral Pillars in the Case When Floor and Roof Remain		133
Archashnikov, V.P. On the Problem of Determining the Pressure on the Supports [Sets] in Horizontal Mining		140
Gulyayev, M.P. and M. Oshibayev. On the Stability of the Rotation of a Heavy Solid Body With One Fixed Point in the Case of D.N. Goryachev and S.A. Chaplygin		144
Kharasakhal, V. On the Characteristic Numbers of Linear Systems of Dif- ferential Equations With Variable Coefficients		147
Card 3/4		

Transactions of the Mathematics (Cont.)	SOV/1281	
Bedel'bayev, A.K. On the Stability of the Non-steady Motions of One Class of Auto-control Systems		151
Urazbayev, B.M. Asymptotic Evaluation of One Arithmetic Sum		160
Gulyayev, M.P. On Circular Cross Sections of Reciprocal Ellipsoids of Inertia		175
Tokarev, P.I. Geodesic Nets Not Determined by a Network Angle		194
Gulyayev, M.P. On the Dynamically Possible Regular Precessions of a Solid Body With One Fixed Point		202
AVAILABLE: Library of Congress		

LK/sfm  
4-3-59

Card 4/4

ZHAUTYKOV, O.A., akademik, otv. red.; AMANDOSOV, A.'., red.; YERZHANOV, Zh.S., doktor tekhn. nauk, red.; KIM. Ye.I., red.; PERSIDSKIY, K.P., akademik, red.; SHEVCHUK, T.I., red.

[Studies on differential equations and their application]  
Issledovaniia po differentsial'nym uravneniiam i ikh  
primeneniiu. Alma-Ata, Nauka, 1965, 1965. 199 p.

(MIRA 18:8)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Sektor matematiki i mekhaniki.
2. Chlen-korrespondent AN Kaz.SSR (for Kim).
3. AN Kaz.SSR (for Zhautykov, Persidskiy).

REDKOV, Vasiliy Vasil'yevich; STOROZHENKO, D.M., otv. red.;  
SHEVCHUK, T.I., red.; OSTROVERKHOV, A.P., red.

[Soils of the Kazakh S.S.R. in 16 issues] Pochvy Kazakhskoi SSR v 16 vpuskakh. Alma-Ata, Nauka. No.5. 1964.  
323 p. (MIRA 17:12)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvovedeniya.



BUTARIN, Nikolay Savvich [deceased]; ISENZHULOV, A.I., kand.  
biol. nauk, otv. red.; ALEKSANDRIYSKIY, V.V., red.;  
SHEVCHUK, T.I., red.

[Remote hybridization in animal husbandry; argali Merino  
sheep and hybrid swine] Otdalennaia gibridizatsiia v zhi-  
votnovodstve; arkharomerinos i ginridnaia svin'ia. Alma-  
Ata, Nauka, 1964. 209 p. (MIRA 18:3)

PRESNYAKOV, Aleksandr Aleksandrovich; SAMOYLOV, Vladimir Anatol'yevich;  
CHERVYAKOVA, Valeriya Venediktovna; GRINMAN, I.G., otv..red.;  
SHEVCHUK, T.I., red.

[Plasticity of commercial-grade alloys; reference materials]  
Plastichnost' tekhnicheskikh splavov; spravochnye materialy.  
Alma-Ata, Izd-vo AN Kaz.SSR, 1964. 219 p. (MIRA 17:6)

YUKHNEVICH, Lidiya Aleksandrovna; MATESOVA, Galina Yakovlevna; MITYAYEV,  
Ivan Dmitriyevich; SHEVCHUK, T.I., red.; ROROKINA, Z.P., tekhn.  
red.

[Orchard and garden pests and measures for their control in  
southeastern Kazakhstan] Vrediteli sadov i ogorodov i mery  
bor'by s nimi; Iugo-Vostochnyi Kazakhstan. Alma-Ata, Izd-vo  
AN Kaz.SSR, 1963. 64 p. (MIRA 16:5)  
(Kazakhstan--Insects, Injurious and beneficial--Control)

BOYEV, Sergey Nikolayevich, akademik; SOKOLOVA, Iya Borosovna; PANIN, Viktor Yakovlevich; SHEVCHUK, T.I., red.; LEVIN, M.L., red.; ROROKINA, Z.P., tekhn. red.

[Helminths of ungulates of Kazakhstan; in two volumes] Gel'minty kopytnykh zhivotnykh Kazakhstana; v dvukh tomakh. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Vol.1. 1962. 373 p. (MIRA 15:10)

1. Akademiya nauk Kazakhskoy SSR (for Boyev).  
(Kazakhstan--Parasites--Ungulata)  
(Kazakhstan--Worms, Intestinal and parasitic)

SOKOLOV, S.I.; ASSING, I.A.; KURMANGALIYEV, A.B.; SERPIKOV, S.K.;  
BEZSONOV, A.I., glav. red.; BOROVSKIY, V.M., red.; SOKOLOV,  
A.A., red.; STOROZHENKO, D.M., red.; USPANOV, U.U., red.;  
SHEVCHUK, T.I., red.; ROROKINA, Z.P., tekhn. red.

[Soils of the Kazakh S.S.R. in 16 volumes] Pochvy Kazakhskoi  
SSR v 16 v puskakh. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi  
SSR. Vol.4. [Alma-Ata Province] Pochvy Alma-Atinskoi oblasti.  
1962. 422 p. (MIRA 15:4)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvove-  
deniya.

(Alma-Ata Province--Soils)

BARBOT DE MARNI, Arseniy Viktorovich, kand.geologo-mineral.nauk; BOK,  
I.I., otv.red.; KOROTKOVA, Ye.A., red.; SHEVCHUK, F.I., red.;  
ALFEROVA, P.F., tekhn.red.

[Deposits of basic building materials in northern Kazakhstan  
(in regions of virgin and waste lands); explanatory notes,  
cadastral survey, and a map] Mestorozhdeniia osnovnykh stroi-  
tel'nykh materialov v severnoi chasti Kazakhstana (v raionakh  
tselinnnykh i zaleznykh zemel'); ob"iasnitel'naya zapiska i  
kadastr s kartoi. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR,  
1960. 375 p. (MIRA 13:5)

(Kazakhstan--Building materials)

SHEVCHUK. T.N.

25819. SHEVCHUK. T.N. Vliganie nitragina na urozhay sortov gorokha.  
Selektsiya i semenovodstvo, 1949, No 8, S. 50-55

SO: Letopis' Zhurnal'nykh Statey Vol. 34, Moskva 1949

SH-VORUK, T. N.

Maize - Transcarpathia

Corn in Transcarpathia, Zbl. i sem., 17, no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.



3 HEVCHUK, T.N.

USSR/Cultivated Plants - Grains

M-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1546

Author : T.N. Shevchuk  
Inst : Not Given  
Title : Local Kidney-Bean Varieties in Transcarpathia

Orig Pub : Dokl. VASKHNIL, 1956, No 10, 14-18

Abstract : The local varieties of kidney-beans are of the late-ripe, weakly drought-resistant forms; they are noted for their large grains, high yielding capacity, high content of albumin, resistance against anthracnosis and bacteriosis. The highest percentage of albumin (28.42) was obtained from kidney-bean seeds of mountainous origin and the lowest from those of the valley origin.

Card : 1/1

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CIA-RDP86-00513R001549210020-

ABS. JOUR : Ref Zhur - Biol., No 1, 1958, No 1546

AUTHOR : Shevchuk, T.N.  
INST. : All-Union Inst. of Plant Cultivation  
TITLE : Wheat of China

ORIG. PUB. : Byul. Vses. in-ta rasbeniyevodstva, 1957, No. 3, 53-57

ABSTRACT : The distribution of winter, semiwinter and spring variety wheat crops in the provinces of the Chinese People's Republic is described and a preliminary evaluation is given of the local and selected varieties of Chinese wheat contained in the collection of the All-Union Institute of Plant Cultivation, on the basis of their characteristics of growing low, productive standing capacity, resistance to lodging, spike length and susceptibility to

CARD:

1/2

*SHEVCHUK, T. N.*

SHEVCHUK, T.N., kandidat sel'skokhozyaystvennykh nauk.

Farin crops in Bulgaria. Nauka i pered.op. v sel'khoz. 7 no.8:75-77  
'57. (MLRA 10:9)

(Bulgaria--Field crops)

*SHEVCHUK, T. N.*

USSR/Cultivated Plants. Technical Plants. Oil and M  
Sugar Bearing Plants.

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68278

Author : Shevchuk, T. N.  
Inst : All-Union Order Lenin Academy of Agricultural  
Sciences ineni V. I. Lenin.  
Title : Trans-Carpathian Flax.

Orig Pub : Dokl. VASKhNIL, 1957, No 8, 31-34

Abstract : In 1950-1953, a research expedition studied  
flax strains. The findings demonstrated that  
in the Trans-Carpathian region local strains  
are very similar to the fiber-flax strains  
cultivated in oblast's of typical fibrous fla-  
xes. Local strains consist of fibrous and inter-  
mediate forms. The presence of seed-flax forms

Card : 1/2

*SHEVCHUK, T.N.*

M-2

USSR/Cultivated Plants - Grains.

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91589

Author : Shevchuk, T.N.

Inst : All-Union Institute of Plant Cultivation.

Title : Local Grain Crop Varieties in Transcarpathia.

Orig Pub : Vestn. s.-kh. nauki, 1958, No 1, 62-72.

Abstract : The All-Union Institute of Plant Cultivation organized an expedition in the years 1950/51 to study Transcarpathian crops on location. The collected material was investigated in the laboratories of the All-Union Institute of Plant cultivation and in other experimental stations. Numerous varieties of winter and spring wheat cultivated in Transcarpathia, in connection with the sharply expressed vertical zoning are divided into two ecological groups: the Transcarpathian valley group and Carpathian

Card 1/3

SHEVCHUK, T., kand. sel'skokhozyaystvennykh nauk.

Canadian agriculture. Nauka i pered. op. v sel'khoz. 18 no.2:75-77  
# '58. (MIRA 11:3)

(Canada--Agriculture)

SHEVCHUK, Timofey Nesterovich, doktor sel'khoz. nauk; ALEKSEYEV,  
Yu.V., red.; CHUNAYEVA, Z.V., tekhn. red.

[Breeding of grain crops and seed production in Canada] Se-  
lektsiia i semenovodstvo zernovykh kul'tur v Kanade. Lenin-  
grad, Sel'khozizdat, 1961. 86 p. (MIRA 15:9)  
(Canada--Grain breeding)  
(Canada--Seed production)

SHEVCHUK, V.

On the example of advanced miners. Mast. ugl. 3 no.6:15-16 Je '54.  
(MLRA 7:7)

1. Brigadir prokhodchikov shakhty No. 1 "Kremennaya" kombinata  
Voroshilovgradshakhtostroy.  
(Coal mines and mining)

SHEVCHUK, V.

Ties between collective farms are being strengthened. Nauka i pered.  
op. v sel'khoz 9 no.10:60-64 0 '59 (MIRA 13:3)

1. Sekretar' Smelyanskogo gorodskogo komiteta Kommunisticheskoy  
partii Ukrainy.  
(Smelta District--Collective farms)



SHEVCHUK, V.

Explanation of phenomena and the problems of insight.  
Vop. psikhol. 10 no.3:111-122 My-Je '64. (MIRA 17:9)

1. Krakovskiy universitet.

ACC NR: AP6027120

SOURCE CODE: UR/0416/66/000/005/0029/0032

AUTHOR: Shovchuk, V. (Major General of Aviation; Hero of the Soviet Union);  
Sagarda, V. (Lieutenant Colonel)

ORG: None

TITLE: Training junior specialists in the PVO rear services

SOURCE: Tyl i snabzheniye sovetskikh vooruzhennykh sil, no. 5, 1966, 29-32

TOPIC TAGS: military training, specialized training, ground force training, training procedure, military personnel, military recruitment

ABSTRACT: The need for developing highly trained and skilled specialists within PVO Rear Services, a requirement arising from the complexity of the modern equipment with which it is equipped and entrusted, is stressed. The difficulties involved are recognized and include the fact that the young men called up for service often have no experience in their new specialties, and that certain categories of specialists take much time to train. While existing training methods should still be employed where they are proven useful, new and better methods must be sought. Current methods for training such specialists as laboratory technicians, cooks, medical assistants, instrument specialists and airfield personnel, and the organizational levels at which their training is conducted, are discussed in brief. The need for continued attention

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ACC NR:AP6027120

to tactical training at the unit level within the rear services, for emphasis on combining practical with theoretical knowledge, for striving for economies, and for expanding the growth of cross-training individuals in two or more related specialties, is also stressed. Orig. art. has: 1 figure.

SUB CODE: 05/SUBM DATE: None

Card 2/2

SHYCHUK, V. A.

SHYCHUK, V. A. "On the technology of preparation and the technique of control of specimens for fatigue testing", Inform. materialy (akad. nauk Ukr. SSR, In-t stroit. mekhaniki), No. 3, 1949, p. 82-87.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

SHEVCHUK, V. A.

"Experimental Study of the Physical State of a Corrugated Superficial Layer Obtained During Mechanical Treatment." Cand Tech Sci, Inst of Construction Mechanics, Acad Sci Ukraine SSR, Kiev, 1953. (RZhFiz, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

SHEVCHUK, V.A.

DRAYGOR, D.A.; SHEVCHUK, V.A.

Wear resistance of steel and residual stresses in surface  
layers. Dop. AN URSR no.5:430-433 '56. (MLRA 10:2)

1. Institut budivel'noi mekhaniki Akademii nauk URSR.  
Predstavleno akademikom Akademii nauk USSR F.P. Belyankinym.  
(Steel--Testing) (Mechanical wear)

SHEVCHUK, V.A.

DRAYGOR, D.A.; SHEVCHUK, V.A.

Investigating the effect of internal stresses in surface layers of  
steel on its wear resistance. Sbor.trud.Inst.stroi.mekh.AN URSSR  
no.22:81-92 '56. (MLRA 10:5)  
(Mechanical wear) (Steel--Testing)

AUTHOR: Shevchuk, V.A.

32-12-38/71

TITLE: Improvement of the Method of Testing Wear (Utochneniye metoda ispytaniya na iznashivaniye).

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 12, pp. 1492-1494 (USSR)

ABSTRACT: The present paper is intended to investigate the influence of the textural direction of a metal sample upon the results obtained by a test of metal wear, which task is here carried out experimentally. As samples steel rings were used which were subjected to thermal treatment: hardening at 840° and softening at 620°. Two groups of these samples were subjected to the same torsional treatment but at different velocities:  $v = 19$  m/min and  $v = 150$  m/min, after which they were examined with respect to wear on the testing machine type "MM" at a velocity of 0.5 m/sec and a load of 100 kg/cm. Lubricating oil "MC" with an addition of 2% of colloid graphite was used on this occasion. It was found microscopically that the surface of the samples subjected to slower treatment (I.group) was rougher and that the rough places beside the knife traces were double as high as in the second case. Nevertheless, the same stress to which the sample was subjected in the testing machine caused more wear in the second case (where samples were smoother), which is explained by the fact

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Improvement of the Method of Testing Wear

32-12-38/71

that in this case not the roughness of the surface but the remaining tensions in the material are decisive. Investigations carried out in order to determine the effect of textural direction showed that among 4 samples subjected to stress in the direction of texture, 2 got partly stuck, and 2 got stuck completely, whereas when the test was carried out contrary to the direction of the texture, no sample got stuck at all, but that in this case the degree of wear was higher than in the former case. In the conclusion it is said that for the purpose of obtaining reliable data concerning metal wear and the values of remaining tensions, it is above all necessary to fix the direction of motion in order to determine and to remember the direction of texture on the surface of the sample. There are 2 figures.

ASSOCIATION: Institute for Building Mechanics AN Ukrainian SSR (Institut stroitel'noy mekhaniki Akademii nauk USSR).

AVAILABLE: Library of Congress

Card 2/2 1. Metals-Test methods

GROZIN, B.D., prof., doktor tekhn.nauk; CHUDIMOVSKIY, V.G., doktor tekhn.nauk, retsenzent; VAYNBERG, D.V., doktor tekhn.nauk; retsenzent; BARABASH, M., kand.tekhn.nauk, retsenzent; DRAYGOR, D.A., kand.tekhn.nauk, retsenzent; ISHCHEKNO, I.I., kand.tekhn.nauk, retsenzent; REVA, L.P., kand.tekhn.nauk, retsenzent; SALION, V.Ye., kand.tekhn.nauk, retsenzent; SHEVCHUK, V.A., kand.tekhn.nauk, retsenzent; SOROKA, M.S., red.izd-va; RUDENSKIY, Ya.V., tekhn.red.

[Studies in metallography and wear resistance of metals; collection of papers] Issledovaniia v oblasti metallovedeniia i kontaktnoi prochnosti metallov; sbornik dokladov. Pod obshchei red. B.D. Grozina. Kiev, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 127 p. (MIRA 12:1)

1. AN Ukrainskoi RSR, Kiev. Instytut budivel'noi mekhaniky.
2. Chlen-korrespondent AN Ukrainskoy SSR (for Grozin).  
(Metallography) (Mechanical wear)

SHEVCHUK V. A.

PHASE I BOOK EXPLOITATION

SOV/5053

Vsesoyuznaya konferentsiya po treniyu i iznosu v mashinakh. 3d, 1958.

Iznos i iznosostoykost'. Antifrictionnyye materialy (Wear and Wear Resistance, Antifriction Materials). Moscow, Izd-vo AN SSSR, 1960. 213 p. Errata slip inserted. 3,500 copies printed. (Series: Its: Trudy, v. 1)

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Resp. Ed.: M. M. Khramchov, Professor; Eds. of Publishing House: M. Ya. Klebanov, and S. L. Orlik; Tech. Ed.: T. V. Polyakova.

FURNISH: This collection of articles is intended for practicing engineers and research scientists.

COVERAGE: The collection, published by the Institut mashinovedeniya, AN SSSR (Institute of Science of Machines, Academy of Sciences USSR) contains papers presented at the III Vsesoyuznaya konferentsiya po treniyu i iznosu v mashinakh (Third All-Union Conference on Friction and Wear in Machines) which was held April 9-15, 1958. Problems discussed were in 5 main areas: 1) Hydrodynamic Theory of Lubrication and Friction Bearings (Chairman: Ye. M. Out'yar, Doctor of Technical Sciences, and A. K. Dymchikov, Doctor of Technical Sciences); 2) Lubrication and Lubricant Materials (Chairman: G. V. Vinogradov, Doctor of Chemical Sciences); 3) Dry and Boundary Friction (Chairman: N. V. Pervagin, Corresponding Member of the Academy of Sciences USSR, and I. V. Kragel'skiy, Doctor of Technical Sciences); 4) Wear and Wear Resistance (Chairman: M. M. Krushchov, Doctor of Technical Sciences); and 5) Friction and Antifriction Materials (Chairman: I. V. Kragel'skiy, Doctor of Technical Sciences). Chairman of the general assembly (on the first and last day of the conference) was Academician A. A. Blagonravov. L. Yu. Krushanskiy, Candidate of Technical Sciences, was scientific secretary. The transactions of the conference were published in 3 volumes, of which the present volume is the first. This volume contains articles concerning the wear and wear resistance of antifriction materials. Among the topics covered are: modern developments in the theory and experimental science of wear resistance of materials, specific data on the wear resistance of various combinations of materials, methods for increasing the wear resistance of certain materials, the effects of friction and wear on the structure of materials, the mechanism of the seizing of metals, the effect of various types of lubricating materials on seizing, abrasive wear of a wide variety of materials and components under many different conditions, modern developments in antifriction materials, and the effects of finish machining on wear resistance. Many personalities are mentioned in the text. References accompany most of the articles.

Krasov, P. P. Increasing the Wear Resistance of Cast-Iron Machine Components by Means of Isothermal Hardening	42
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Card 5/13

GROZIN, B.D., otv.red.; DRAYGOR, D.A., zam.otv.red.; BARABASH, M.L.,  
red.toma; KRAGEL'SKIY, I.V., red.; SERENSEN, S.V., red.;  
FAYNERMAN, I.D., red.; ZASLAVSKIY, S.S., red. Prinimali  
uchastiye: BRAUN, M.P., prof.; VAYNBERG, D.V., prof.; PETRENKO,  
I.P., kand.tekhn.nauk; SINYAVSKAYA, M.D., inzh.; SHEVCHUK, V.A.,  
kand.tekhn.nauk; SEMIROG-ORLIK, V.N., kand.tekhn.nauk; YANKEVICH,  
V.F., inzh.; GORB, M.L., kand.tekhn.nauk; RAKHLINA, N.P.,  
tekhn.red.

[Increasing the wear resistance and useful life of machinery in  
two volumes] Povyshenie iznosostoikosti i sroka sluzhby mashin  
v dvukh tomakh. Kiev, Izd-vo Akad.nauk USSR. Vol.1. 1960.  
486 p. (MIRA 13:12)

1. Vsesoyuznoye nauchno-tekhnicheskoye obshchestvo mashino-  
stroitel'noy promyshlennosti. Kiyevskoye oblastnoye pravleniye.  
(Mechanical wear)  
(Mechanical engineering)